

Title (en)  
CENTRIFUGAL PUMP WITH A DEVICE FOR REMOVING PARTICLES

Title (de)  
ZENTRIFUGALPUMPE MIT EINER VORRICHTUNG ZUR ENTFERNUNG VON PARTIKELN

Title (fr)  
POMPE CENTRIFUGE DOTÉE D'UN DISPOSITIF D'ENLÈVEMENT DE PARTICULES

Publication  
**EP 2386030 A1 20111116 (DE)**

Application  
**EP 09801971 A 20091221**

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Abstract (en)  
[origin: WO2010079088A1] A centrifugal pump (1, 101) comprises a device for removing particles, wherein the centrifugal pump comprises an impeller (6, 106). A fluid (2, 102) can be conveyed by means of said impeller (6, 106) through a suction channel (5, 105) from a suction port (3, 103) to a pressure port (4, 104). The impeller (6, 106) can be rotated in a stator (7, 107). A gap (9, 19, 109) is arranged between stator (7, 107) and impeller (6, 106), wherein said gap (9, 19, 109) leads into a retaining space (11, 21, 111) for particles. Said retaining space (11, 21, 111) is connected to said suction channel (5, 105) via a return line (12, 112) running through said stator (7, 107).

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